

ABSTRACT

COATING COMPOSITIONS AND TEXTILE FABRICS COATED THEREWITH

An elastomer-forming coating composition for textile fabrics comprises a first, second and third organopolysiloxane having aliphatically unsaturated substituents, an organosilicon crosslinker having at least 3 silicon-bonded hydrogen atoms, a catalyst and a reinforcing filler. First and second organopolysiloxanes have only terminal aliphatically unsaturated substituents, first having a viscosity at 25°C of from 50 to 650 mm²/s, second a viscosity at 25°C of at least 10,000 mm²/s and third organopolysiloxane has aliphatically unsaturated substituents at terminal siloxane units and on siloxane units in the siloxane polymer chain. Coated textile fabrics and a process for making them is also claimed. Coated fabrics are especially useful in applications where they form a barrier between areas of differing pressures, e.g. airbags. Resulting coatings combine very good tear strength and elongation at break values.

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